



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,899	06/27/2003	Yutaka Tokura	03500.017421	6589

5514 7590 06/27/2007
FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

MILIA, MARK R

ART UNIT	PAPER NUMBER
----------	--------------

2625

MAIL DATE	DELIVERY MODE
-----------	---------------

06/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/606,899

Applicant(s)

TOKURA ET AL.

Examiner

Mark R. Milia

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,108,017 to Katakura et al.

Regarding claim 1, Katakura discloses a data transfer method in an image formation system which is equipped with an image generation controller unit for generating bitmap image data of an image (see Fig. 23 and column 18 line 61-column 19 line 6), an image formation unit for forming an image on a recording medium (see Figs. 1 and 23), an image processing controller unit for controlling the image formation unit and also transferring image data at a timing requested by the image formation unit (see Fig. 27, column 19 lines 7-25, and column 20 lines 24-31), and respective data signal lines for yellow, magenta, cyan and black to be used to transfer the image data between the image generation controller unit and the image processing controller unit (see Fig. 27), wherein in a case where the number of image bearing bodies of the image formation unit is one, when a color image signal is transferred from the image generation controller unit to the image processing controller unit, the image signals of

Art Unit: 2625

one color component for the four lines are simultaneously transferred by using the yellow, magenta, cyan and black signal lines repeatedly until the transfer of the image signals for one page ends, and then the image signals of the next color component are transferred (see column 17 lines 20-24, column 17 line 66-column 18 line 10, column 19 lines 26-39, and column 20 lines 5-15), and when a black-and-white image signal is transferred from the image generation controller unit to the image processing controller unit, the image signals of black color component for the four lines are simultaneously transferred by using the yellow, magenta, cyan and black signal lines repeatedly until the transfer of the image signals for one page ends (see column 17 lines 20-24, column 17 line 66-column 18 line 10, column 19 lines 26-39, and column 20 lines 5-15).

Regarding claims 3 and 4, Katakura discloses an image formation system and method which is equipped with an image generation controller unit for generating bitmap image data of an image (see Fig. 23 and column 18 line 61-column 19 line 6), an image formation unit including plural image bearing bodies of respective color components and for performing image formation by transferring on a recording medium images of the respective color components formed on the respective image bearing bodies (see Fig. 1, column 7 lines 5-17, column 8 lines 25-32, and column 11 lines 1-9), and an image processing controller unit for controlling said image formation unit and also transferring image data at a timing requested by said image formation unit (see Fig. 27, column 19 lines 7-25, and column 20 lines 24-31), wherein plural video data signal lines of the respective color components are provided between said image generation controller unit and said image processing controller unit (see Fig. 27), and when the

Art Unit: 2625

image data of only a single color is transferred from said image generation controller unit to said image processing controller unit, the image data for the plural lines are simultaneously transferred by simultaneously using said plural video data signal lines (see column 17 lines 20-24, column 17 line 66-column 18 line 10, column 19 lines 26-39, and column 20 lines 5-15).

Regarding claim 5, Katakura discloses a data transfer method in an image formation system which is equipped with an image generation controller unit for generating bitmap image data of an image (see Fig. 23 and column 18 line 61-column 19 line 6), an image formation unit for forming an image on a recording medium (see Figs. 1 and 23), an image processing controller unit for controlling the image formation unit and also transferring image data at a timing requested by the image formation unit (see Fig. 27, column 19 lines 7-25, and column 20 lines 24-31), and respective data signal lines for yellow, magenta, cyan and black to be used to transfer the image data between the image generation controller unit and the image processing controller unit (see Fig. 27), wherein in a case where the number of image bearing bodies of the image formation unit is one, when a color image Signal is transferred from the image generation controller unit to the image processing controller unit, the image signals of one color component for the four lines are simultaneously transferred by using the yellow, magenta, cyan and black signal lines repeatedly until the transfer of the image signals for one page ends, and then the image signals of the next color component are transferred, whereby the image signals of the four color components are transferred

Art Unit: 2625

(see column 17 lines 20-24, column 17 line 66-column 18 line 10, column 19 lines 26-39, and column 20 lines 5-15).

Regarding claim 2, Katakura further discloses wherein in a case where the number of the image bearing bodies of the image formation unit is four, when the color image signal is transferred from the image generation controller unit to the image processing controller unit, the image signals of the respective color components for the corresponding one line are simultaneously transferred respectively by using the yellow, magenta, cyan and black signal lines repeatedly until the transfer of the image signals for one page ends (see Fig. 1, column 7 lines 5-17, column 8 lines 25-32, and column 11 lines 1-9), and when the black-and-white image signal is transferred from the image generation controller unit to the image processing controller unit, the image signals of black color component for the four lines are simultaneously transferred by using the yellow, magenta, cyan and black signal lines repeatedly until the transfer of the image signals for one page ends (see column 17 lines 20-24, column 17 line 66-column 18 line 10, column 19 lines 26-39, and column 20 lines 5-15).

Conclusion

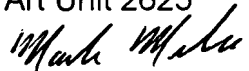
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571) 272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

Art Unit: 2625

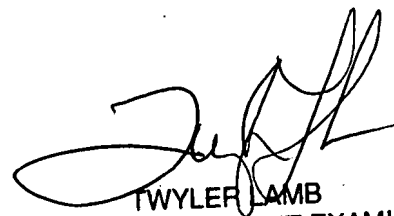
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached at (571) 272-7406. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark R. Milia
Examiner
Art Unit 2625



MRM



TWYLER LAMB
SUPERVISORY PATENT EXAMINER